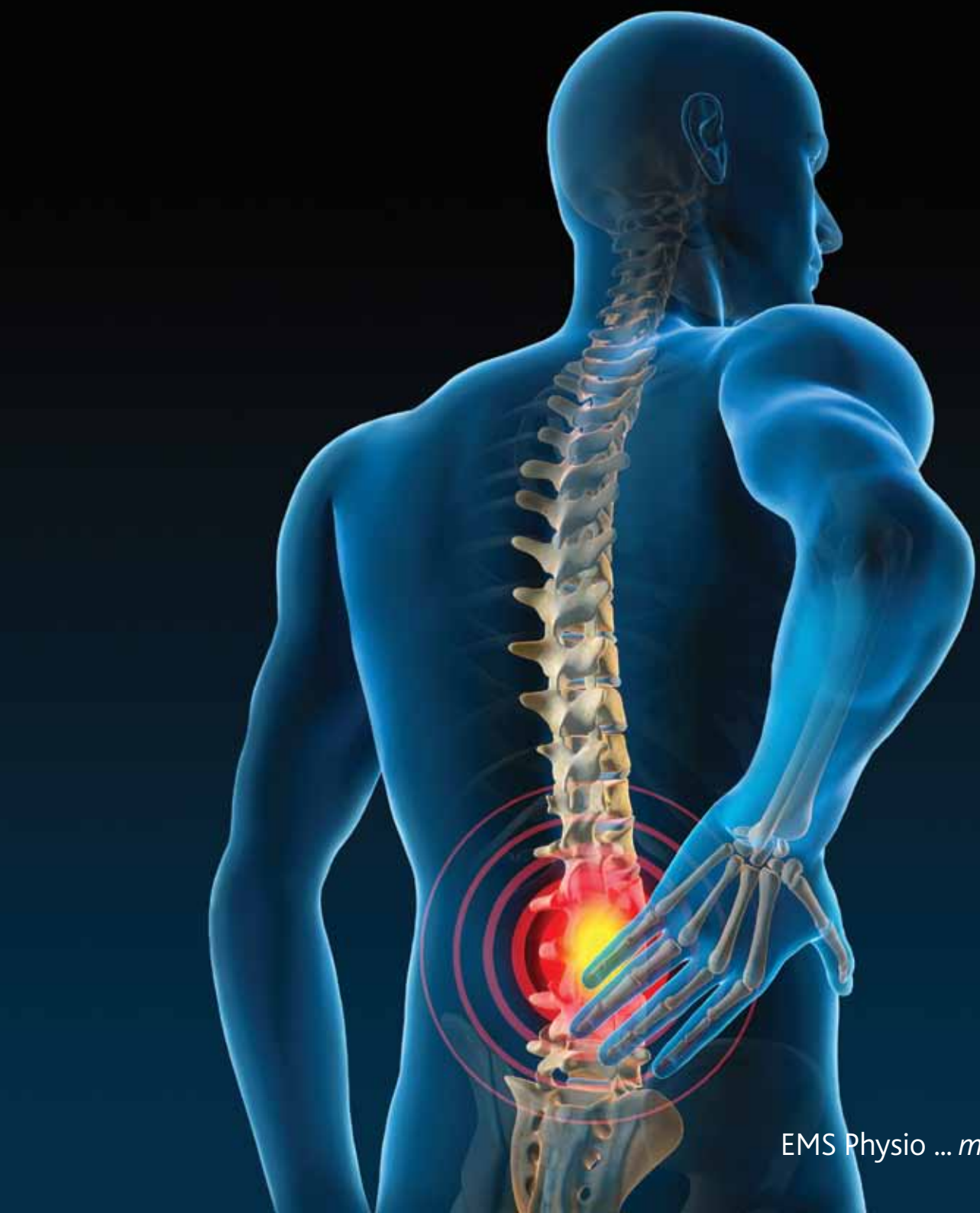
PRODUCT CATALOGUE 2013



EMS Physio ... *making it better*

EMS Physio ... *making it better*

Welcome to the 2013 edition of our product catalogue and thank you for choosing EMS Physio as a valued supplier.

We are proud to be launching the upgraded Primo range of electrotherapy equipment. Design is now a key element in any purchasing decision and this is reflected in the innovative and elegant styling incorporated into the new range.

In addition, the new styling is immediately available, for ultrasound, electrical stimulation (inc interferential) and combination therapy products. Primo continues to be very popular, due to its simplicity of operation and excellence of engineering. We're sure the exciting new designs will add to their appeal.

Our core values continue - excellent equipment, supported by trained and knowledgeable staff, complemented by the highest quality and on-going service. Our global presence will reassure you that EMS Physio offers you the stability and support you need and expect from one of the world's leading physiotherapy brands.

Whether it's ultrasound, shortwave diathermy, couches, electrotherapy, laser, exercise equipment, gait analysis, shockwave therapy, compression therapy, EMG biofeedback or real-time medical imaging, EMS Physio remains your obvious choice.

Thank you for your commitment to EMS Physio.

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EMS Physio Ltd was established in 1924. It is a family-owned company and is based at Grove Technology Park, in Oxfordshire, England and occupies 1,600 sq metres of purpose built offices, factory and warehousing.

The company continually develops new and innovative electrotherapy equipment and supports existing products. We are able to offer customers in-depth technical guidance as necessary.

All EMS Physio products are manufactured at Grove Technology Park, ensuring the highest standards of quality are achieved. The company first achieved ISO9001 and ISO13485 accreditation in 1995 and continues to deliver the best in product quality. All products are CE marked in accordance with the EU Medical Device Directive.

Our level of experience and customer support is unrivalled. The sale is the start of our relationship with you, not the end.

Our products are your investment. With regular servicing by trained personnel, your equipment can provide a long-term contribution to your clinical needs.

Call us on **+44 1235 772272** to order

Primo Therasonic 360 and 460

The Primo Therasonic has been completely redesigned to offer you a wide range of choices for your ultrasound treatment programme. Widely used to improve healing time on soft tissue injuries, it has integrated evidence based algorithms and clinical protocols.

- Touch screen technology
- Dual frequency ultrasound (1MHz and/or 3MHz)
- Programmable memory
- Easy wipe clean reducing the risk of cross-infection
- Treatment Protocols: Pressure Ulcers, Chronic Venous Ulcers, Trigger Point Low irritability, Tendon Injury/ Lesion, Chronic Osteoarthritis, Rheumatoid Arthritis, Tennis Elbow, Carpal Tunnel, Fibromyalgia, Soft Tissue Stretch, Impingement Syndrome, Calcific Tendonitis, Perineal Pain (Persistent), Perineal Pain (Partum),
- Mains powered as standard, optional battery available

EMS360, EMS460

PMA9135

PMA9125

Technical Specification

Size (h/w/d) 108 x 237 x 333mm
Weight 1.3 kg
Treatment Time 0-30 min
Treatment Programs 10 user-defined set-ups
Ultrasound Frequency 1MHz or 3MHz for 360, 1MHz and 3MHz for 460
Maximum Intensity 1.5 W/cm² in CW, 3.0 W/cm²
Maximum Output Power 7.5W average (Mains operated only)
Output Modes CW pulsed 1:1, 1:2, 1:4 and 1:9
Pulse Duration 2ms
Contact Monitor Light on transducer or audio signal
Transducer: Large transducer ERA 4 cm2, Small transducer 1MHz 0.6 cm2 and 3MHz 0.4 cm2

Ordering Information

Primo Therasonic 360
Primo Therasonic 360 Single frequency ultrasound unit (1MHz) complete with large treatment head, one bottle of coupling gel (250ml) mains only
EMS3601

Primo Therasonic 360 Single frequency ultrasound unit (3MHz) complete with large treatment head, one bottle of coupling gel (250ml) mains only
EMS3603

Primo Therasonic 460
Primo Therasonic 460 Dual frequency ultrasound unit mains only (1 MHz and 3MHz) complete with large treatment head, one bottle of coupling gel (250ml)
EMS460

Accessory Ordering Information

Large treatment head	**PMA9125**
Small treatment head	**PMA9135**
8 x 250ml bottle of gel	**EMS502**
1 litre bottle of gel	**EMS502A**
Padded carrying case	**EMS530**
Treatment trolley	**EMS158**
Rechargeable battery pack (factory fitted)	**EMS161**
Ultrasound output indicator	**RTB01**

EMS502

Primo Combination 860

The Primo Combination 860 offers dual frequency ultrasound (1MHz and 3MHz) and the complete range of stimulation outputs that can be used individually or simultaneously in combination therapy.

- Touch screen technology
- Dual frequency ultrasound
- Stimulation outputs: two and four pole interferential, Diadynamic, TENs, Sinusoidal, Galvanic and interrupted galvanic, Faradic, Trabert, Medi-Wave, Russian & Microcurrent output
- Diagnostic feature to help locate difficult to pinpoint lesions
- Treatment protocols (same as for ultrasound and stimulation units)
- 2 independent output channels which allows 2 different treatments
- Operates in conjunction with EMS vacuum unit if required
- Mains powered as standard, optional battery available

Technical Specification

Size (h/w/d) 108 x 237 x 333mm
Weight 1.5 kg
Treatment Programs: 10 user-defined set-ups
ULTRASOUND Frequency 1.1 & 3MHz
Maximum Intensity 1.5 W/cm2 in CW, 3.0W/cm2 pulsed
Maximum Output Power 6W average
Output Modes CW and pulsed 1:1, 1:2, 1:4, and 1:9
Pulse Duration 2 ms
Contact Monitor Light on transducer or audio signal
Transducer Large transducer ERA 4 cm2, Small transducer 1MHz 0.6 cm2 and 3MHz 0.4 cm2
Individual waveform see operating manual for full details

Ordering Information

Primo Combination 860
Primo Combination 860 therapy unit with large treatment head, 250 ml bottle of coupling medium, 2/4 pole patient lead, four medium (100 x 70 mm) rubber electrodes, four medium sponge covers, four electrode connection cables (blue and yellow) and two stretch bandages (1,200 x 75mm).

Mains powered only	**EMS860**
Primo combination therapy unit as above.	
Mains and battery powered version	**EMS860B**

Accessory Ordering Information

Large treatment head	**PMA9125**
Small Treatment Head	**PMA9135**
2/4 pole patient lead	**PMA3055**
Padded carrying case (see page 15)	**EMS530**
Treatment trolley (see page 15)	**EMS158**

1. Small sponge electrode covers (set of 4)	**NC3052A**
2. Small conductive rubber electrodes (70 x 50 mm - set of 4)	**NC3052B**
3. Medium sponge electrode covers (set of 4)	**NC3053A**
4. Medium conductive rubber electrodes (100 x 70mm - set of 4)	**NC3053B**
5. Large sponge electrode covers (set of 4)	**NC3054A**
6. Large conductive rubber electrodes (130 x 100 mm - set of 4)	**NC3054B**
8. Blue electrode connection cables (1 pair)	**NC3057**
8. Yellow electrode connection cables (1 pair)	**NC3058**
9. Periform vaginal probe (single patient use - 34mm diameter)	**RB5160**
10. Anuform anal probe (single patient use - 25mm diameter)	**RB5164**
11. Stretch bandage - 600 x 75mm	**DU1**
12. Stretch bandage - 1200 x 75mm	**DU2**
Stretch bandage - 600 x 50mm	**DU4**
13. PALS platinum self adhesive electrodes (25 mm diameter, pack of 4)	**RB450**
14. PALS platinum self adhesive electrodes (33 x 54 mm, pack of 4)	**RB410**
15. PALS platinum self adhesive electrodes (50 x 50 mm, pack of 4)	**RB430**
16. PALS platinum self adhesive electrodes (80 x 100 mm, pack of 2)	**RB440**
Other sizes available, by special order	
Booklet - *EMS Guide to Interferential & Combination Therapy*	**EDC303**

Osteotron IV

The sound pressure stimulation provided by the LIPUS (Low Intensity Pulsed Ultrasound System) accelerates the formation and union of fractured bone and promotes rapid recovery.

- Three-step output control and two frequencies,1.5 MHz or 0.75 MHz (optional), for shallow or deep fracture areas
- Simultaneous therapy of multiple areas with 2-channel output capability
- Self contained in its own carrying system
- Mains powered as standard, optional battery available

OST02

Technical Specification

Power supply DC 4.8 V,4 X Nickel metal hydride rechargeable battery
Ultrasound frequency 1.5 MHz or 0.75 MHz (optional)
Pulse frequency 100Hz or 1000 Hz
Ultrasound intensity 30mW /cm2, 45 mW/cm2 or 60mW/cm2 (SATA)
Timer 20 or 30 min
Classification Class I/ Internally powered equipment Type BF, Class IIa/ MDD
Dimensions 98 (W) x 40 (D) x 145 (H) mm
Weight 240 g (without batteries)

Ordering Information

Osteotron IV	OST02
Unit supplied with two ultrasound probes 1.5 MHz, probe retainers, AC adaptor, power cable for AC adaptor (for EU), ultrasound gel and carrying bag	

Precision Ultrasound Balance

The precision ultrasound balance has been designed for use by service engineers for simple but precise measurement and calibration of ultrasound output. It has been developed for use by technicians who need accurate and easy to read measurements when servicing ultrasound units.

- Calibration traceable to National Standards is available
- Accuracy of output measurement
- Repeatable measurements giving laboratory standards of accuracy
- Measurement of output for EMS Physio and other makes of ultrasound equipment
- Ease of assembly and use
- Can be used in the laboratory or on customer site
- Complete with protective carrying case
- RS232 interface supplied as standard

CAL102

Technical Specification

Accuracy (scale factor) 10%
Resolution 0.02 watts
Linearity <0.1 watts
Stability <0.1 watts/10 minutes
Zero drift <0.1 watts/hour
Warm up time <10 minutes
Full scale 30 watts
Power input (AC) 100mA @ 240 V
Size 222 x 300 x 300mm
Weight 1.4kg
Water capacity 1 litre
Recommended frequency range 0.8 to 3.5MHz

Ordering Information

EMS precision ultrasound balance	**CAL102**
Certificate of Calibration (for EMS Precision Ultrasound Balance)	**RTB03**
Battery	**RTB04**
Budget ultrasound output indicator	**RTB01**

...and for your daily clinical needs, the RTB01. Simple and easy to use

RTB01

Primo Interferential 960

The Primo Interferential 960 uses a mid-frequency electrical signal to treat muscular spasms and strains which makes it particularly effective in treating acute injuries, especially in sport. The interferential therapy is used to relieve pain, stimulate muscles, increase local blood flow and reduces oedema.

- Touch screen technology
- Three carrier frequencies - 2kHz, 4kHz and 8kHz
- 0-100mA peak constant or 0-70/140V peak constant voltage, depending upon mode
- Treatment protocols: Pain relief, Oedema, Stimulate local blood flow, OA Knee, Chronic low back pain, Acute low back pain, Fibromyalgia, Trigger points, Post operative knee pain, Fracture healing, Stress incontinence, Urge incontinence, Constipation (children)
- 2 independent output channels which allow 2 different treatments
- Operates in conjunction with EMS vacuum unit if required
- Easy wipe clean reducing the risk of cross-infection
- Mains powered as standard, optional battery available

Technical Specification

Power Input 18V, 3.33A external PSU
Battery Pack (optional) Internal Rechargeable (NiMh)
Classification (EN60601-1) Class 1, Type BF
Fuse Internal T3.15A
Size (height x width x depth) 108 x 237 x 333mm
Weight 1.3 kg (excluding battery)

Ordering Information

Primo Interferential 960
Mains only interferential unit with 2/4-pole patient lead and four electrode connection cables (blue and yellow), four medium (100x70mm) rubber electrodes, four medium sponge covers and two stretch bandages (1200x75mm)
EMS960

Mains/ Battery Primo Interferential 960B
Mains/battery interferential unit complete with standard accessories (as above)
EMS960B

Accessory Ordering Information

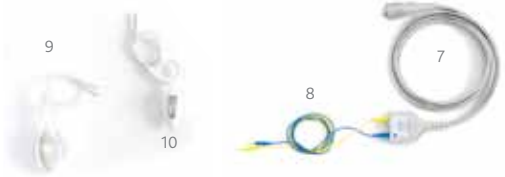
Booklet - *EMS Guide to Interferential & Combination Therapy*	**EDC303**
1. Small sponge electrode covers (set of 4)	**NC3052A**
2. Small conductive rubber electrodes (70 x 50 mm - set of 4)	**NC3052B**
3. Medium sponge electrode covers (set of 4)	**NC3053A**
4. Medium conductive rubber electrodes (100 x 70mm - set of 4)	**NC3053B**
5. Large sponge electrode covers (set of 4)	**NC3054A**
6. Large conductive rubber electrodes (130 x 100 mm - set of 4)	**NC3054B**
7. 2/4-pole patient lead	**PMA3055**
8. Blue electrode connection cables (1 pair)	**NC3057**
8. Yellow electrode connection cables (1 pair)	**NC3058**
9. Periform vaginal probe (single patient use - 34mm diameter)	**RB5160**
10. Anuform anal probe (single patient use - 25mm diameter)	**RB5164**
11. Stretch bandage - 600 x 75mm	**DU1**

Primo Multidyne 970

The Primo Multidyne 970 provides all low and medium frequency outputs from one unit. Stimulation therapy is used for rehabilitation purposes, preventing muscle atrophy caused by musculoskeletal injuries, such as damage to bones, joints, muscles, ligaments and tendons.

- Touch screen technology
- Stimulation on the Primo Multidyne 970 includes Interferential (2 and 4-pole), Russian, Diadynamic, TENS, Sinusoidal, Faradic, Galvanic, Interrupted Galvanic, Trabert, Medi-Wave and Microcurrent and S/D curve
- Three carrier frequencies - 2kHz, 4kHz and 8kHz
- Vector facility
- 0-100mA peak constant current or 0-70/140V peak constant voltage, depending upon mode
- Treatment protocols: Same as for interferential
- 2 independent output channels which allows 2 different treatments
- Operates in conjunction with EMS vacuum unit if required
- Easy wipe clean reducing the risk of cross-infection
- Mains powered as standard, optional battery available

EMS970



Technical Specification

Power Input 100-240 Vac 50VA 50/60Hz
Output Voltage 0-60V, 0-70v Peak or 0-140V Peak Dependent on Mode
Display LCD
Size 108 x 237 x 333mm
Battery (Optional) Internal Rechargeable (Nimh)
Weight 1.5kg
Output Type Constant Current or Constant Voltage
Treatment Time 0-30 Minutes
Output Current 0-70mA Or 0-100mA Dependent on Mode
Individual Waveforms See Operating Manual For Full Details
Output Mode 2 channel

Ordering Information

Primo Multidyne 970
Mains only unit with 2/4-pole patient lead and four electrode connection cables (blue and yellow), four medium (100x70mm) rubber electrodes, four medium sponge covers and two stretch bandages (1200x75mm)
EMS970

Mains/Battery Primo Multidyne 970B
Mains/battery unit complete with standard accessories (as above)
EMS970B

Accessory Ordering Information

12. Stretch bandage - 1200 x 75mm	**DU2**
Stretch bandage - 600 x 50mm	**DU4**
13. PALS platinum self adhesive electrodes (25 mm diameter, pack of 4)	**RB450**
14. PALS platinum self adhesive electrodes (33 x 54 mm, pack of 4)	**RB410**
PALS platinum self adhesive electrodes (50 x 50 mm, pack of 4)	**RB430**
PALS platinum self adhesive electrodes (80 x 100 mm, pack of 2)	**RB440**
Other sizes available, by special order	
Padded bag (see page 15)	**EMS530**
Treatment trolley (see page 15)	**EMS158**

EMS530

Vacuum 655

The Vacuum 655 is designed to be used with the Primo Interferential 960 and Primo Multidyne 970 stimulation units. In addition, the Vacuum 655 can be used on any previous model of EMS interferential units purchased within the last 10 years.

- Lightweight
- Pulsed or continuous vacuum
- Powerful new super-quiet vacuum with virtually no vibration
- Channel selection option - Channels A+B or Channel A only
- Supplied with complete set of accessories

EMS655

NC3069A

NC3070

Technical Specification

Power Input 100-240 Vac 50/60Hz
Vacuum 0-0.5 Bar, Continuous or Pulsed
Channel Selection A+B, or A Only
Classification Class 1 Type BF (EN 60601-1)
Size 65 x 210 x 100mm (excluding water trap)
Weight 1.5kg

Ordering Information

Vacuum 655
Complete unit includes four vacuum electrode cups (60mm) each with sponge inserts, four vacuum electrode leads and one link lead to connect unit to interferential / stimulation unit.
EMS655

Accessory Ordering Information

Link lead to Solo Interferential 966 to 955 Multidyne 970	**PMA3066**
Link lead to SoLo Interferrential 966 or SoLo Multidyne 965	**SLA3066**
Link lead to connect only to MEDI-LINK interferential module or earlier EMS interferential units	**SLA3067**
Pair of 60 mm vacuum cups (one yellow, one blue)	**NC3068**
Pair of sponge inserts for 60 mm vacuum cups	**NC3068A**
Pair of 100 mm vacuum cups (one yellow, one blue)	**NC3069**
Pair of sponge inserts for 100 mm vacuum cups	**NC3069A**
Set of four vacuum leads	**NC3070**

SoLo Laser 755

The SoLo Laser 755 incorporates a PIN number security device, removing the need for a key. This unit has two sockets for single or cluster probes ensuring quick and easy treatments. It is supplied mains/battery as standard and has an on-screen battery power indicator.

- Lightweight and easy to use
- Frequency range 2Hz - 20kHz
- Time setting automatically indicates the power in joules
- Joules power setting automatically indicates time required
- Memory function for easy recall of favourite programs
- A range of probes - single point and cluster
- Optional shoulder bag and treatment trolley available

Technical Specification

Power Input 100-240Vac 50VA Max 50/60Hz
Timer 0-10 Minutes
Battery Internal Rechargeable (Nimh)
Probes Suitable For All Probes Shown On This Page
Classification Class 1 BF (EN 60601-1)
Size 240 x 210 x 100mm
Frequency 2Hz - 20kHz
Weight 1.5kg

INFRARED LASER PROBE SLA9825
Output Power (Ave) 100mW
Wavelength 905nm
Duty Cycle 9% **VISIBLE LED PROBE SLA9830**
Output Power (Ave) 10mW
Wavelength 640nm
Duty Cycle 90%

19-DIODE CLUSTER PROBE SLA9840
Output Power (Ave) 9x10mW (Visible) & 10x15mW (Infrared)
Wavelength 640nm & 950nm
Duty Cycle 90%

60-DIODE CLUSTER PROBE SLA9860
Output Power (Ave) 32x10mW (Visible) & 28x15mW (infrared)
Wavelength 640nm & 950nm
Duty cycle 90%

Ordering Information

SoLo Laser 755

Mains/battery unit	EMS755

Accessory Ordering Information

100mW infrared laser probe (905nm)	**SLA9825**
10mW visible LED probe (640nm)	**SLA9830**
19-diode LED cluster probe (9x640nm, 10x950nm)	**SLA9840**
60-diode LED cluster probe (32x640nm, 28x950nm)	**SLA9860**
Set of protective goggles (two pairs)	**RB308**
Treatment trolley	**EMS158**
Lightweight carrying bag	**EMS530**
Booklet - *An introduction to Low Level Laser Therapy* by Prof David Baxter	**EDC302**

Megapulse IIa

Pulsed only shortwave

The Megapulse IIa provides a range of pulsed shortwave outputs through the EMS monopulse applicator. The unit does not need to contact the patient and has fixed tuning - making it easy to operate. Also included is a treatment chart with suggested settings based on clinical experience.

- Clear display and touch-sensitive controls within flush fitting panel
- Easy to view output indicator located on the monopulse applicator
- Different preset output modes for quick set-up
- A wide range of pulse widths - 20-400 microseconds
- Pulse repetition rates - 50-800 pulses per second

Technical Specification

Mains Supply 220-240Vac 200VA 50/60Hz
Output Frequency 27.12MHz (+/- 20kHz)
Output Power 150W Peak Power into 50 Ohms
Modes 1Δt 20 Mins, 100microsecs, 800Hz Fixed 2Δt 20 Mins, 200 Microsecs, 800Hz Fixed, 4Δt 20 Mins, 400 µs, 800Hz Fixed, Var 0-30 Mins, 20-400 µs, 50-800Hz
Pulse Widths 400/200/100/65/40/20 µs
Pulse Repetition Rates 50/100/200/400/600/800
Timer 0-29 Minutes
Timer Accuracy +/- 1 Sec, **Size** 410 x 410 x 870mm
Weight 53kg
Classification Class1, Type BF (EN 60601-1)
Fuses (Mains) 2xTIA (5x20mm) For 220-240V

Ordering Information

Megapulse IIa
Megapulse IIa pulsed shortwave therapy unit with electrode arm and EMS monopulse applicator
EMS702EC

Megapulse Senior 265

Continuous & Pulsed Shortwave Therapy

EMS Physio is one of the world's largest specialised manufacturers of shortwave therapy products. The Megapulse Senior 265 offers pulsed and continuous shortwave therapy with many additional features.

- 1,000W pulsed and 400W continuous maximum power output
- Optional treatment protocols, based on clinically proven results
- Continuous and pulsed shortwave from one unit
- Back-lit display with clear operational information
- On-screen simplicity for quick set-up
- 10 programmable memory functions
- Distinctive ergonomic design with rugged, lockable castors
- Wide range of pulse widths: 20 - 400 microseconds
- Wide range of pulse frequencies: 5 - 800 pulses per second
- Up to 30 minutes treatment time
- Choice of output modes: continuous or pulsed 1 in 3, 2 in 3 and 3 in 3
- Complete with durable electrode arms and two 100mm capacitive electrodes
- Output tester also supplied

SLA996

SLA991

SLA990

SLA992

Technical Specification

Mains Supply 100-240 Vac, 1kVA max, 50/60Hz
Size 470 x 470 x 940mm
Weight 38kg
Frequency 27.12MHz
Output Power 400W maximum in Continuous Mode 1000W maximum Peak Power In Pulsed Mode
Output Modes Continuous, Pulsed 1 in 3, 2 in 3 & 3 in 3
Classification Class1
Type BF (EN 60601-1)
Pulse Width 20-400 µs
Pulse Frequency 5-800 Pulses Per Second
Timer 0-30 Minutes with termination of output and alarm at end of treatment
Tuning Automatic

Ordering Information

Megapulse Senior 265
Megapulse Senior 265 shortwave unit including two electrode arms, two 100mm capacitive electrodes with cables, output tester and user manual
EMS265

Accessory Ordering Information

Monopulse inductive applicator	**SLA990**
Flexipulse inductive applicator	**SLA991**
100mm capacitive electrodes and cable (one pair)	**SLA992**
50mm capacitive electrodes and cable (one pair)	**SLA993**
One pair rubber electrodes, 180 x 120mm, with four felt spacers	**SLA996**
Felt spacers only, for above	**SLA9960**
One pair rubber electrodes, 260 x 180mm, with four felt spacers	**SLA997**
Felt spacers only, for above	**SLA9970**
Shortwave treatment protocols	**EDC323**

TENS

EMS Physio offers a range of high quality dual-channel TENS units which are reliable, compact and lightweight. These are built to a high standard to provide long-term use.

- Dual-channel output with memory function
- LCD display that is easy to use
- Use for chronic, severe and acute pain
- Complete with accessories, belt hook and protective bag

NC322

TENS001

TENS002

NeuroTrac Simplex Single channel EMG biofeedback

The NeuroTrac Simplex is an advanced and simple to use single channel EMG biofeedback unit, featuring a clear display for the patient.

EMG545

NeuroTrac MyoPlus2 Dual channel EMG biofeedback

Combined with NMS-STIM (Neuromuscular Stimulation) and ETS (EMG Triggered Stimulation) - 3 devices in 1 compact unit.

Used as a learning tool for both patient and clinician with emphasis on improving treatment techniques in the use of EMG and Neuromuscular stimulation.

EMG550

- Lightweight and portable
- Automatic and manual threshold settings
- Optional software for detailed progress tracking

Technical Specification

120Z DUAL CHANNEL TENS
Output Channels Dual Independent Outputs (Lockable)
Pulse Width Variable 50-200 µs
Frequency Variation 1-200Hz, Continuous, Burst or Modulated Mode **Weight** 120g

BIOSTIM PLUS TENS, BIOSTIM M7 TENS
Channels 2, **Waveform** Asymmetrical, biphasic modifies square-wave, **Output** Constant current
Intensity Continuously adjustable from 0-98 mA peak
Frequency 2-150 Hz (Hertz or pps)
Impulse Width 50-250 microseconds (µs) adjustable
Continuous Continuous stimulation
Burst 1 0.5 sec on, 0.5 sec off, Adjustable pulsed rate from 1-150 Hz, **Burst 2** 8 pulses per burst/ 2 bursts per second, **Modulation** decrease/ increase of set width of 50% over a five- second period
Power supply 2 AA Batteries, E-block, type 6F22
Dimensions 82 X 70 X 25 mm, **Weight** 132 g

NEUROTRAC SIMPLEX
Single Channel Digital EMG Unit
Accurate Range 0.2µV to 2000µV
Sensitivity 0.1µV RMS, **LEDs display** EMG level clearly and easily, **Dimensions** 128.5 X 64 X 28.50 mm, **Weight** 150 g

NEUROTRAC MYOPLUS2
Dua Channel Digital EMG Unit
Accurate Range 0.2µV to 2000µV RMS (continuous), **Sensitivity** 0.1µV RMS
Accuracy 4% of µV reading +/-0.3 µV at 200 Hz

STIM (NEUROMUSCULAR STIMULATION)
Amplitude 0 - 90 mA into 500 Ahm load
Type Constant current, maximum output voltage 70 Volts + 5/-10 Volts, **Waveform** Symmetrical, rectangular, bi-phasic with net zero DC current
Power Supply Batteries 4 x 1.5V (AA battery)
Dimensions 150 x 89 x35 mm
Weight 0.16 Kg (without batteries)

Ordering Information

120Z dual-channel TENS unit with accessories	**NC322**
BioStim Plus TENS dual-channel unit with accessories	**TENS001**
BioStim M7 TENS dual-channel unit with accessories	**TENS002**
NeuroTrac Simplex EMG biofeedback unit	**EMG545**
NeuroTrac software	**EMG546**
30mm diameter self-adhesive electrodes	**EMG547**
Neurotrac MyoPlus2 biofeedback unit	**EMG550**
Neurotrac MyoPlus2 software	**EMG551**

Accessory Ordering Information

PALS platinum self adhesive electrodes (25 mm diameter, pack of 4)	**RB450**
PALS platinum self adhesive electrodes (33 x 54 mm, pack of 4)	**RB410**
PALS platinum self adhesive electrodes (50 x 50 mm, pack of 4)	**RB430**
PALS platinum self adhesive electrodes (80 x 100 mm, pack of 2)	**RB440**
Other sizes available, by special order	
Booklet - *EMG Biofeedback Guide* by Prof Tim Watson	**EDC301**

Trolley & Carrying Cases

A treatment trolley is available for use with any portable EMS product, with a drawer provided as standard and optional accessories can be added according to your needs. A protective carrying case is also available.

EMS530

EMS158
UNITS AND ACCESSORIES NOT INCLUDED -
FOR ILLUSTRATION ONLY

Technical Specification

TREATMENT TROLLEY
Dimensions 880mm (H) x 580mm (W) x 420mm (D)
PADDED CARRYING CASE
Dimensions 300mm x 240mm x 150mm

Ordering Information

Treatment trolley	**EMS158**
Padded bag	**EMS530**

Accessory Ordering Information

Paper holder	**ML9910**
Gel dispenser holder	**ML9920**
Large wire basket (recommended)	**ML9930**
Small wire basket	**ML9940**
Water tray (for use with ML9940)	**ML9950**
Roll of paper (for ML9910)	**ML9960**

Power shockwave unit

Shockwave is an acoustic wave which carries high energy to the painful spot – fibrous or myoskeletal tissues with subacute, subchronic and chronic conditions. One of the highest output units available today, the Power unit is ideal for busy departments. Self-contained, on cart system complete with an accessory tray, this unit can cope with the heaviest therapy demands.

- Highly-effective, non-invasive treatment for musculoskeletal pain
- Fast relief of pain & mobility restoration
- Main fields of application: orthopaedics, rehabilitation, and sport medicine
- High pressure up to 5 bars
- High frequency up to 22Hz
- Intuitive operation with colour touch-screen (8.4")
- Therapeutic protocols with colour anatomical images
- User-defined therapies available
- Burst mode for extra-sensitive patients

SHO003

UK ONLY

Technical Specification

User-interface 8.4" colour touch screen
Pressure 1-5 bars
Frequency 1-22Hz
Single & continual mode yes
Burst mode yes
Preset programs 13
Protocols yes
Protocols with anatomical images yes
User-defined therapies 100

Dimensions 230mm x 390mm x 260mm (main unit)
330mm x 220mm x 300mm (air compressor)
Weight 5.3 kg (main unit without accessories)
20 KG (air compressor)
Mains supply 230V/ 50-60Hz, 115V/ 50-60Hz
Class MMD 93/42/EEC IIb
Equipment protection class II (in accordance with IEC 536)

Ordering Information

Power Shockwave unit- SWT applicator, Transmitters: 9, 15mm multi-focused and 15mm focused, Exchangeable kit, Trolley, Gel 1000ml and Touch screen pen pointer	**SHO003**

Topline Shockwave unit

A compact and lightweight unit with outputs covering a wide range of therapeutic needs, the Topline is ideal for a smaller treatment unit. It is portable and self-contained, with the high output compressor fitted within the unit itself. For non-portable use, an ergonomically designed trolley is also available.

- High pressure up to 4 bars
- High frequency up to 15Hz
- Intuitive operation with colour touch-screen (5.7")
- Only 7 kg weight including the built-in compressor
- Therapeutic protocols with colour anatomical images

SHO001

SHO001 & SHO002

Technical Specification

User-interface 5.7" colour touch-screen
Pressure 1-4 bars
Frequency 1-15Hz
Single & continual mode yes
Preset programs 13
Protocols yes
Protocols with anatomical images yes
User-defined therapies 100
Dimensions 320 x 190 x 280 mm (main unit)
Weight 7 kg (main unit without accessories)
Mains supply 230V/ 50-60Hz, 115V/ 50-60Hz
Class MMD 93/42/EEC IIb
Equipment protection class II (in accordance with IEC 536

Ordering Information

Topline Shockwave unit- SWT applicator, Transmitters: 9, 15mm multi-focused and 15mm focused, Gel 300ml and Touch screen pen pointer	**SHO001**
Trolley for Topline Shockwave unit	**SHO002**

UK ONLY

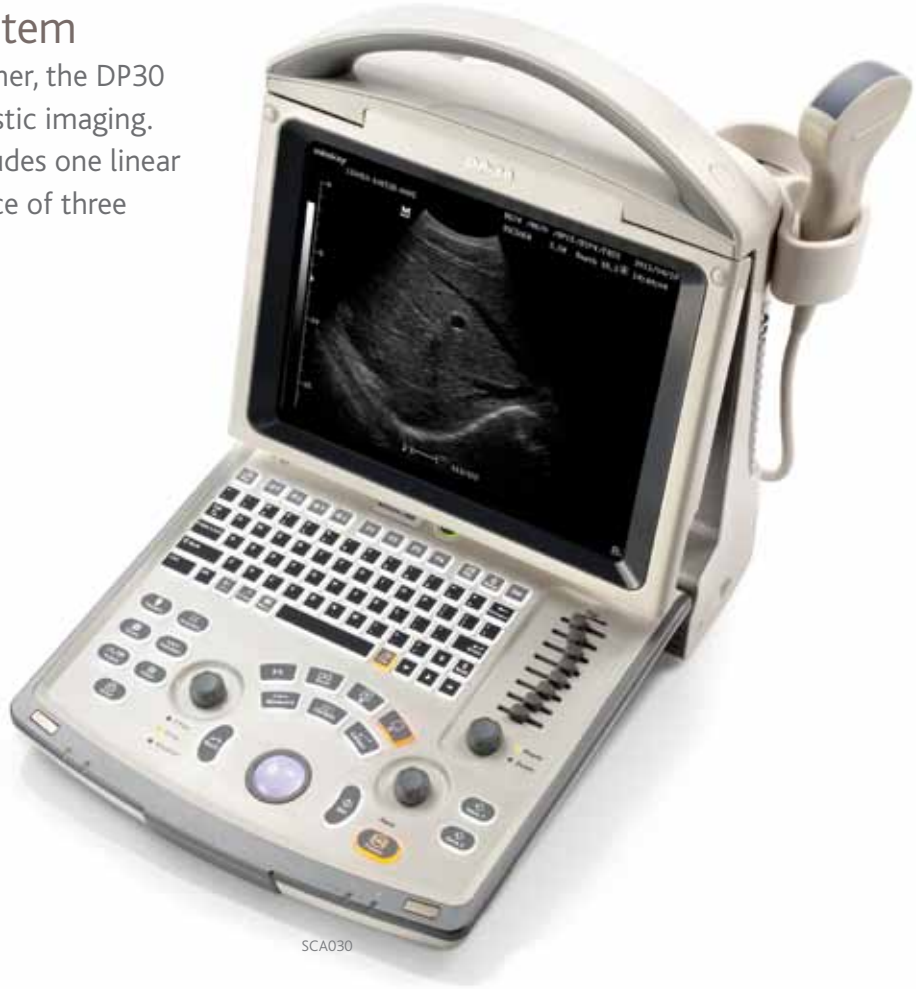
Supplied with the most comfortable applicator on the market – special ergonomic grip and elimination of backward shock

DP-30 Portable Imaging System

A simple and affordable ultrasound scanner, the DP30 is ideal for clinics expanding into diagnostic imaging. Lightweight and portable, the DP30 includes one linear transducer as standard and offers a choice of three further options.

Transducers

- **SCA013** 5.0-10.0MHz L35mm broadband T shape Linear array, depths 11.9cm, applications: paediatric, intraoperative, abdominal, small parts, cephalic, vascular, MSK, orthopaedics
- **SCA014** 8-12MHz L24mm broadband Linear array, depths 11.9cm, applications: small parts, vascular, MSK
- **SCA015** 5-10MHz L53mm broadband Linear array, depths 11.9cm, applications: paediatric, abdominal, small parts, cephalic, vascular, MSK, orthopaedics
- **SCA016** 5-10MHz L38mm broadband Linear array, depths 11.9cm, applications: paediatric, abdominal, small parts, cephalic, vascular, MSK, orthopaedics



SCA030

Technical Specification

DP-30 SCANNER
System Specifications
Net Weight 5.5 kg (without battery)
Dimensions H 16.1x L 29 x 35.40 cm
Display 12.1-inch LED, Ligh-Resolution1024 x 768
Display Language Chinese/English/German/Spanish/French/Italian/Portuguese/Russian
Power System operates via rechargeable lithium-ion

Application Abdominal, Obstetrical, Gynecological, Cardiac, Small parts, Urological, Vascular, Orthopedics, MSK

Ordering Information

DP-30 Scanner 12.1-inch LED monitor, one transducer linear connecter 5-10 MHz L38mm, control panel, handle, indicators: Power/Battery/Standby/LDD status, iStation™, two USB ports, measurement & calculation software packages	**SCA030**

Accessory Ordering information

5.0-10.0MHz L35mm broadband T-shape Linear array	**SCA013**
8-12MHz L23mm broadband Linear array	**SCA014**
5-10MHz L53mm broadband Linear array	**SCA015**
5-10MHz L38mm broadband Linear array	**SCA016**

DP-50 Portable Imaging System

An affordable, sophisticated diagnostic imaging system from one of the world's most reliable manufactures of ultrasound scanners, the DP50 is suitable for clinicians who offer an established choice of diagnostic services. The system is delivered complete with one linear transducer as standard.

SCA050

SCA013

SCA014

SCA015

SCA016

Technical Specification

DP-50 SCANNER
System Specifications
Net Weight 7.7 kg
Dimensions 19.0 cm L x 41.5 cm W x 37.8 cm H
Display 15" diagonal LCD (NTSC or PAL)
Display Language English, French, German, Italian, Portuguese, Russian, Spanish, Polish, Czech, Turkish, Finnish, Danish, Icelandic, Norwegian, Swedish and Simplified Chinese
Power System operates via rechargeable lithium-ion battery or AC power

Application Dedicated Software Package: Abdominal, Obstetrical, Gynaecological, Cardiac, Small parts, Urological, Vascular (including IMT Study), Nerve and Emergency package

Ordering Information

DP-50 Scanner 15-inch LCD monitor, one transducer linear connecter 5-10 MHz L38mm, control panel, handle, phase shift harmonic imaging, trapezoid imaging, slant scanning for linear probes (2D Steer), iBeam™, iTouch™, ExFOV Imaging for Convex Probe, iStation™, 320G integrated hard disk, I/O Interfaces	**SCA050**

Accessory Ordering information

5.0-10.0MHz L35mm broadband T-shape Linear array	**SCA013**
8-12MHz L23mm broadband Linear array	**SCA014**
5-10MHz L53mm broadband Linear array	**SCA015**
5-10MHz L38mm broadband Linear array	**SCA016**

CPM Machines

A wide range of CPM units for motorised motion of the limbs and joints incorporating anatomical design with support in rehabilitation work. These top-quality units will fit virtually all patients and are fully adjustable in motion to suit post-operative and post-injury conditions.

Performa Knee CPM

CPM03

Elbow CPM

CPM05

Centura Shoulder CPM

CPM06

Maestra Hand and Wrist CPM

CPM08

Technical Specification

PERFORMA KNEE CPM
Range of motion knee -3° to 130°, hip from 8° to 30°, ankle plantar flexion 40° dorsiflexion 30° internal rotation 30° external rotation 30°,
Specification Patient height 1.1m to 2.06m.,
Speed from 50°/minute to 220°/minute,
Weight 15kg,
Length 1.09m

ELBOW CPM
Range of Motion: Flexion 135°
Extension: 0°
Pronation/ Supination 90°
Speed (cycle of 0°-135°): 3 min 50 sec to 1 min

Specification Patient height: 140 to 190cm
Weight 21kg
Dimensions: 72 x 65 x 130cm

CENTURA SHOULDER CPM
Range of Motion: Flexion 180°
Extension 20°
Abduction, 160°
Adduction 20°
External Rotation 90°
Internal Rotation 60°
Horizontal Abduction -30° to 110°,
Synchronized Abduction and Rotation: Abduction 160°, Adduction 20°, External Rotation 90°, Internal Rotation 30°

Patient Height From 4'2" to 6'6" (1.3-2m) tall,
Weight 50 lb. (23kg)
Dimensions (Set-up position) Length: 27" (70cm) Width: 27" (71cm) Height: 35" (90cm)

MAESTRA HAND & WRIST CPM
Range of Motion: Fingers: 45°
hyperextension, 270° flexion (full fist)
Thumb: Full opposition
Wrist: 55° **flexion** – 90° **extension,** 90°
Pronation – 90° **Supination, Full abduction/ adduction, Weight:** 23 lbs. (10.5kg)

Ordering Information

Performa Knee CPM including accessories	**CPM03**
Elbow CPM with base including accessories	**CPM05**
Centura shoulder CPM including accessories	**CPM06**
Maestra hand and wrist CPM including accessories	**CPM08**

GAITRite Platinum

The GAITRite system is an instrumented walkway and software program that automates the measurement of temporal (timing) and spatial (distance) gait parameters, such as cadence, step length and velocity. It's portable, can be rolled out over any flat surface and requires no placement of any devices on the patient. The system will require connection to a suitable PC or laptop computer; this can be sourced by EMS Physio if necessary.

- Roll-up walkway
- Ideal for space saving
- No complicated wires attached to the patient
- Immediate pre-and post-treatment feedback
- Integrated USB camera to merge digital video files with GAITRite data
- Visible and objective outcome measurements
- 2 years warranty

New

Improved technology

Technical Specification

GAITRite Platinum
16' Portable Walkway System,
Overall Dimensions: 228 x 35.5 x .25 inches (L x W x H)
Active Area: 192 x 24 inches (L x W)
Weight: 55 lbs. for this model (65 lbs. with wheeled carrying case)
Sampling Rate: 60Hz, 120Hz, 180Hz and 240Hz
Communications: USB
Sensor: .4 inches square, dual control

Number of Sensors: 18,432 sensors, placed on .5 inch centres arranged in a 48 x 384 grid
Power Requirements: 12Vdc
Top Cover: Vinyl with square thread reinforcement, waterproof and chemical resistant
Bottom Cover: Open cell foam rubber,
BNC synch out Synchronize to other devices; Analog-in and integrated metronome circuit, GAITVideo software + USB Camera

Ordering Information

GAITRite platinum- gait analysis system with sensor mat, connections, video camera, software and tutorial CD in a rigid protective case

GAITRite system 14 foot (including above accessories)	**CIR020**
GAITRite system 16 foot (including above accessories)	**CIR021**
GAITRite system 20 foot (including above accessories)	**CIR022**
GAITRite system 26 foot (including above accessories)	**CIR023**

Accessory Ordering Information

BNC	**CIR001**
BNC/ Analogue	**CIR003**
Metronome	**CIR007**
GAITRaw Software	**CIR005**
Extended warranty available - recommended	**CIR008**

Varitherm Wax Bath

An established unit used around the world. This is efficient and odour-free and heats up to 18kg of wax. It is thermostatically controlled with a safety cut-out in the event of lack of water.

Para-Care

A small wax bath ideal for hand therapy. The temperature on this unit can be adjusted to suit the needs of the patient and is thermostatically controlled.

EMS wax purification unit

Allows up to 10kg of wax to be purified at any one time. The tapered shape of the wax container ensures easy wax removal after cooling.

LNC884

PAR001

LNC886

Technical Specification

VARITHERM WAX BATH:
Power Requirement 200/240 Vac. 3kW
Water Capacity 17 litres
Dimensions 760 x 410 x 440mm
Weight 58kg With Water and Wax
Classification Class 1, Type B (EN 60601-1)

PARA-CARE:
Power Requirement 200/240V 50/60Hz, (120V 60Hz) 40/90W
Wax Capacity 2.7kg
Dimensions 457 x 311 x 216mm
Weight 6.8kg With Wax
Classification Class-1, Type B (EN 60101-1)

WAX PURIFICATION UNIT:
Power Requirement 200/240 Vac. 2.3kW
Water Capacity 10.5 litres
Wax Capacity 10kg
Dimensions Outer Unit - 306mm Diameter x 525mm Inner Unit - 300-225mm Tapering x 275mm Deep
Temperature Range 0-100 °C
Certification EMC Directive and LVD

Ordering Information

Varitherm wax bath with aluminium dust cover (200-250V)	**LNC884**
Para-Care wax bath (220-240V) 120V also available on request	**PAR001**
Wax purification unit (220-240V) - includes tapered wax container (LNC887)	**LNC886**

Accessory Ordering Information

Tubular steel stand for wax bath (supplied flat-packed)	**LNC885**
Stainless steel tapered wax container	**LNC887**
Wax bath thermometer (supplied as standard with LNC884 & LNC882)	**T1A**
Paraffin wax - per 25kg	**P11**

Infrared lamp

Infrared lamp with 250W bulb and dimmer facility. The heat intensity is fully adjustable and the unit is supplied complete with protective grilles and table bracket.

OPTIONAL FLOOR STAND MUST BE ORDERED SEPARATELY

Hydropak heater

Made of stainless steel and supplied with a basket and support hooks for standard Hydropak bags, it is fitted with a safety thermostat.

LNC400

Hydropaks

A range of Hydropak therapy bags is available in various shapes and sizes including a contoured neck bag - fabric covered and re-usable to give soothing heat therapy.

LNC401-LNC405

Technical Specification

EMS Hydropak Heater:
Power Requirement 200/240 Vac. 2.3kW
Water Capacity 26 litres
Dimensions 306mm Diameter x 525mm
Temperature Range 0 -100°C

Ordering Information

Infrared lamp	**NC618**
Floor stand for NC618	**NC618A**
Hydropak Heater - packs ordered separately	**LNC400**

Accessory Ordering Information

Hydropak Size 1 (300 x 250mm)	**LNC401**
Hydropak Size 2 (300 x 125mm)	**LNC402**
Hydropak Size 3 (610 x 115mm)	**LNC403**
Hydropak Size 4 (neck contour 600mm long)	**LNC404**
Hydropak Size 5 (370 x 600mm)	**LNC405**
Heating unit only	**LNC888**
Hydropak basket	**LNC407**

Scotsman ACM25 Easy Ice Cuber

No plumbing required – built-in waste water pump

Scotsman EC46 Ice Cuber

Scotsman AF103 Flake Ice Machine

Scotsman AF80 Flake Ice Machine

Technical Specification

SCOTSMAN ACM25 EASY ICE CUBER
Dimensions 640(h) x 380(w) x 380 (d) mm
Max. Production/24hrs 10 kg / 500 cubes
Bin Capacity 9 kg
Weight 29 kg
Water Consumption/24h (A) N/A
Water Consumption/24h (W) N/A
Voltage Options 230/50/1,230/60/1
Electricity Consumption 4.5 kwh

SCOTSMAN EC46 ICE CUBER
Dimensions 645(h) (+120 with legs) x 386(w) x 600(d) mm
Max. Production/24hrs 24 kg
Bin Capacity 9 kg
Weight 35 kg
Water Consumption/24h (A) 77 L
Water Consumption/24h (W) 400 L
Voltage Options 230/50/1
Electricity Consumption 8 kwh

SCOTSMAN AF103 FLAKE ICE MACHINE
Dimensions 1006mm(h) (legs+120mm) x 952mm(w) x 622mm(d)
Max. Production/24hrs 105 kg
Bin Capacity 30 kg
Weight 63 kg
Water Consumption 75 L
Water Filter APS3S
Electricity consumption 9kwh
Circuit rating / Voltage 13 Amps@230/50/1

SCOTSMAN AF80 FLAKE ICE MACHINE
Dimensions 1006(h) (+120 with legs) x 592(w) x 622(d) mm
Max. Production/24hrs 85 kg
Bin Capacity 32 kg
Weight 63 kg
Water Consumption/24h (A) 75 L
Water Consumption/24h (W) N/A
Voltage Options 230/50/1,230/60/1,115/60/1
Electricity Consumption 9 kwh

Ordering Information

Scotsman Easy Ice Cuber	**ACM25**
Scotsman EC46 ice cuber	**EC46**
Scotsman AF103 flake ice machine	**AF103**
Scotsman AF80 flake ice machine	**AF80**

Pulse Press

Dynamic Compression Therapy has been clinically proven to significantly improve healing time in the treatment of oedema and other venous and lymphatic disorders of the lower limb. When used post surgery, reduces the chance of a D.V.T occurring.

Physio 3

PCT030

Physio 6

PCT031

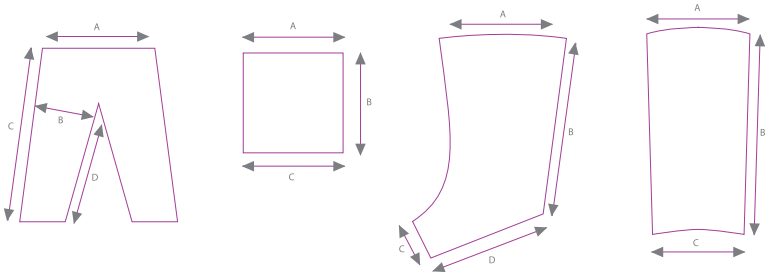
Physio 12

PCT033

Garment Size Guide (cm)

Ref	Description	A	B	C	D	E
PCT018	Half arm sleeve	50	43	42		
PCT019	Wide long arm sleeve	60	76	47		
PCT020	Half legging	60	50	30	31	50
PCT021	Long legging	70	74	30	31	50
PCT025	Wide long legging	80	84	30	31	53
PCT060	Wide trouser garment	130	76	137	94	
PCT062	Long arm& shoulder	60	76	47		
PCT063	Ex. Wide long legging	96	75	30	31	66

Garment Sizes Key



Technical Specification

PHYSIO 3
3 chamber sequential gradient compression
Pressure 30-100 mmHg,
Compressor 14-20 ltrs/min
Cycle Times Inf. 5-120 secs, Def. 5-60 secs
Garments 1 ch and 3 ch
Size 166 x 135 x 150 mm
Weight 1.85 kg

PHYSIO 6
6 chamber sequential gradient compression
Pressure 30-100 mmHg
Compressor 14-20 ltrs/min
Cycle Times 5-120 secs inflation, 5-60 secs deflation
Garments 3 ch and 6 ch
Size 187 x 155 x 150 mm
Weight 2.10 kg

PHYSIO 12
12 chamber sequential gradient compression
Pressure 30-100 mmHg
Compressor 24-30 ltrs/min
Cycle Times 5-120 secs inflation, 5-60 secs deflation, 5-120 mind therapy
Garments 6 ch and 12 ch
Size 187 x 155 x 150 mm
Weight 3.15 kg

Ordering Information

Pulse Press Physio 3	**PCT030**
Pulse Press Physio 6	**PCT031**
Pulse Press Physio 12	**PCT033**

Accessory Ordering Information

Garments for use with Physio 3	
Half arm sleeve	**PCT018**
Long arm sleeve	**PCT019**
Half legging	**PCT020**
Long legging	**PCT021**
Wide long legging	**PCT025**
Long arm and shoulder	**PCT062**
Ex. Wide long arm legging	**PCT063**
Garments for use with Physio 6	
Half arm sleeve	**PCT018**
Long arm sleeve	**PCT019**
Half legging	**PCT020**
Long legging	**PCT021**
Wide long legging	**PCT025**
Wide trouser garment	**PCT060**
Long arm and shoulder	**PCT062**
Ex. Wide long arm legging	**PCT063**
Garments for use with Physio 12	
Long arm sleeve	**PCT019**
Wide long legging	**PCT025**
Wide trouser garment	**PCT060**
Long arm and shoulder	**PCT062**
Ex. Wide long arm legging	**PCT063**

T60 Treadmill

- smooth and reliable performance
- extra-long running surface
- improved durability and little maintenance

EXE001

S60 Elliptical Trainer

- natural and comfortable motion
- self-powered generator
- long-lasting durability with less maintenance

EXE002

R60 Recumbent Bike

- step-thru frame design
- self-powered generator
- user-friendly seat adjustment

EXE003

U60 Upright Bike

- natural and comfortable motion
- self-powered generator
- long-lasting durability with less maintenance

EXE004

Technical Specification

T60 TREADMILL
Console LED profile display,
Workout Programs 9,
Drive Motor 3.0 hp AC, digital motor controller,
Speed 0.8 - 20 km/h (0.5 - 12 mph),
Electronic Incline 0 to 15%,
Heart Rate Monitors Contact grips & wireless receiver,
Running Belt 2-ply, maintenance-free, Running
Belt Thickness 2.3 mm anti-static running belt,
Running Surface Area: Length: 160cm x Width: 51 cm,
Deck Thickness: 25.4 mm ,
Maximum User Weight 159kg / 350lbs / 25 Stone,
Dimensions Length: 214cm x Width: 82cm x Height: 144cm,
Product Weight Assembled 150kg

S60 ELLIPTICAL TRAINER
Console LED profile display,
Workout Programs 12,
Resistance Levels 1 – 25,
Resistance System 2-stage self-generating power,
Heart Rate Monitor Contact grips & wireless receiver,
Stride Length 53.4 cm,
Maximum User Weight Limit 182 kg / 400 lbs / 28.5 Stone
Dimensions Length: 185.8cm x Width: 74.8cm x Height: 163.5cm,
Weight 140 kg / 308 lbs

R60 RECUMBENT BIKE
Console LED profile display,
Workout Programs 12:
Resistance Levels 1 – 25,
Resistance System 2-stage self-generating power,
Heart Rate Monitor Contact grips & wireless receiver,
Seat Pad Pure Comfort seat with added lumbar support,
Seat Adjustment Options 28 positions,
Maximum User Weight Limit 182 kg / 400 lbs / 28.5 Stone,
Dimensions Length: 161.9cm x Width: 72.5cm x Height: 138.3 cm,
Weight: 70kg / 165 lbs

U60 UPRIGHT BIKE
Console LED profile display,
Workout Programs 12,
Resistance Levels 1 – 25,
Resistance System 2-stage self-generating power,
Heart Rate Monitor Contact grips & wireless receiver,
Seat Adjustment 15 positions,
Maximum User Weight Limit 182 kg / 400 lbs / 28.5 Stone,
Dimensions Length: 104cm x Width: 65cm x Height: 138.3cm,
Product Weight Assembled 52 kg / 115 lbs

Ordering Information

Vision T60 Treadmill	**EXE001**
Vision S60 Elliptical Trainer	**EXE002**
Vision R60 Recumbent Bike	**EXE003**
Vision U60 Upright Bike	**EXE004**

Quadriforme

A well-designed and highly versatile chair which can be used in the seated or ventral positions for a wide range of leg rehabilitation exercises.

QU001

Kettler Fitmaster Multigym

The great value Fitmaster power centre has a compact design and has everything you need for working all muscle groups.

RH239

Kettler Kinetic F3 Multigym

The Kinetic F3 power centre stands out from the crowd with its broad range of exercises and compact design.

RH240

Technical Specification

QUADRIFORME
Anatomical back with cervical and lumbar supports, Support handles - quadriceps and ischios with adjustable double leg straps, Fully adjustable - inclination, levelling pad, head rest, 18kg **of disks supplied**

FITMASTER
Height adjustable seat with 3 section back cushioning for optimum comfort while training via easy adjustment, The weight block is split into 16 x 5kg blocks**, to a maximum** 80kg**, Dimensions when set up:** 181 x 109 x 200cm, **Maximum user weight:** 150kg

KINETIC F3 MULTIGYM
Height adjustable seat with 3 sectioned back cushioning ensures optimum adjustment to the body workout. The 80kg **weight block can be extended to** 100kg (from 5-80kg). **Dimensions -** L180 x W106 x H215cm, **Maximum user weight** 150kg

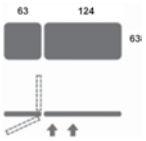
Ordering Information

Quadriforme quad bench	**QU001**
Kettler Fitmaster Multigym	**RH239**
Kettler Kinetic F3 Multigym	**RH240**

Two-section plinth

Electric or hydraulic options.

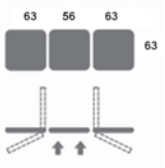
RH075A, RH075B,
RH076A, RH076B



Three-section plinth

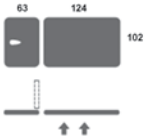
Electric or hydraulic options.

RH078A, RH078B.
RH079A, RH079B



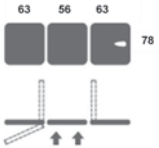
Neurology plinth

RH081



50 stone plinth

RH050S



Technical Specification

TWO SECTION PLINTH
Length: 188 cm (74")
Width: 63 cm (25")
Height: 46 cm (18") to 95 cm (37")
Maximum lifting weight: 225kg (35 stone)
Breathing hole: optional
Hydraulic or electric
Packed Weight: 82 Kg
Shipping Dimensions: 190 x 66 x 64 cm

THREE SECTION PLINTH
Length: 185 cm (73")
Width: 63 cm (25")
Height: 46 cm (18") to 95 cm (37")
Maximum lifting weight: 225kg (35 stone)
Breathing hole: optional
Hydraulic or electric
Packed Weight: 130Kg
Shipping Dimensions: 190 x 102 x 57 cm

NEUROLOGY PLINTH
Length: 189 cm (74")
Width: 102 cm (40")
Height: 41 cm (16") to 90 cm (35.5")
Maximum lifting weight: 320kg (50 stone)
Breathing hole
Hydraulic or electric
Packed Weight: 130Kg
Shipping Dimensions: 190 x 102 x 57 cm

50 STONE PLINTH
Length: 183 cm (72")
Width: 79 cm (31")
Height: 48 cm (19") to 99 cm (39")
Maximum lifting weight: 320kg (50 stone),
Breathing hole
Electric
Packed Weight: 120 Kg
Shipping Dimensions: 190 x 66 x 64 cm

Ordering Information

2-section plinth - hydraulic model	**RH075A**
2-section plinth - hydraulic model with breathing slot	**RH075B**
2-section plinth - electric model	**RH076A**
2-section plinth - electric model with breathing slot	**RH076B**
3-section plinth - hydraulic model	**RH078A**
3-section plinth - hydraulic model with breathing slot	**RH078B**
3-section plinth - electric model	**RH079A**
3-section plinth - electric model with breathing slot	**RH079B**
Neurology plinth	**RH081**
50 stone plinth	**RH050S**

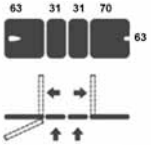
Traction unit

A more patient and operator-friendly model suited to a broader range of symptoms than conventional models, featuring, for example, selectable pulling speed, and programmable number of ramp steps in progressive/ cyclic mode and the pause time for each step.

RH087

Traction table

Friction free rolling top traction table, it is ideal for both lumbar and cervical traction.



RH084, RH085
TRACTION UNIT NOT INCLUDED

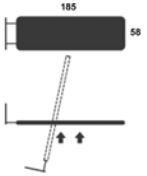
Portable plinth

An easy-to-assemble, lightweight portable plinth which is also very strong and rigid. It has a breathing slot and adjustable head rest, with a carrying bag supplied as standard.

2702

Variable height tilt table

Lowering to just wheelchair height this plinth features electric height and tilt, large toe braked castors, adjustable harnesses and crutch handles.



RH083

Technical Specification

TRACTION UNIT
Power supply 110-240 VAC 50/60HZ
LCD Display 320 x 240pixels **10 languages**
High/ Low force range 1-90 (198 lbs)/ 0-89 kg (197 lbs) ± 3 kg
Free program memory 30
Safety class Class I Type B, Class IIa/ MDD
Dimensions 260(W) x350 (D) x295 (H) mm
Weight 14 kg

TRACTION TABLE
Width 65cm, **Height** 65cm, **Length** 199cm, **Height range** 46cm to 95cm, **Maximum lift** 160kg (25 stone), Breathing hole and plug fitted as standard
Traction unit not included

PORTABLE PLINTH
Width 60cm (24")
Length 182 cm (72")
Height 60cm (26") - 86cm (34")
Max User Weight 220gk (34 stone)

VARIABLE HEIGHT TILT TABLE
Width 60cm
Length 190cm
Variable height range 48cm to 97cm
Maximum lift and tilt 160kg (25 stone)
Tilt angle from horizontal to 85 degrees
Packed weight 103kg
Shipping dimensions 190 x 66 x 64cm

Ordering Information

Variable height tilt table	**RH083**
Traction table - hydraulic	**RH084**
Traction table - electric	**RH085**
Traction machine	**RH087**
Portable plinth	**2702**

Treatment couch accessories

The addition of accessories from our comprehensive range can expand the usefulness of a product or customise it for a specific treatment. Our most popular options being the foot switch (that allows you to operate the couch effortlessly with your feet thus keeping your hands free), paper towel holder (to keep rolls of paper to hand), flexion stool (to assist in the positioning of the lumbar spine in either neutral or flexed position when applying traction) and of course cot sides for complete patient security.

RH086

RH096

RH093

RH088

Technical Specification

Flexion stool
Upholstery size 58cm x 42cm
Height range 30cm to 44cm

Ordering Information

Flexion Stool	**RH086**
Protective towelling cover	**RH096**
Foot switch	**RH093**
Paper Towel Holder	**RH088**

Uphosltery

All coverings are vinyl and washable, fire retardant to BS 7176, BS 5852 part 2 (crib 5) and offer excellent resistsance to wear. Most include patented anti microbial technology, proved effective in inhibiting the growth of E-Coli and Staphylococcus Aureus (MRSA), and all are suitable for cleaning and disinfecting with NaDCC based products.
Note: unless specified Beige will be supplied.

Wall Bars

These are made of high quality polished wood.

RH012

Steps and Staircase

Robust, made-to-order corner steps, built from wood with non-slip treads and adjustable handrails.

RH020

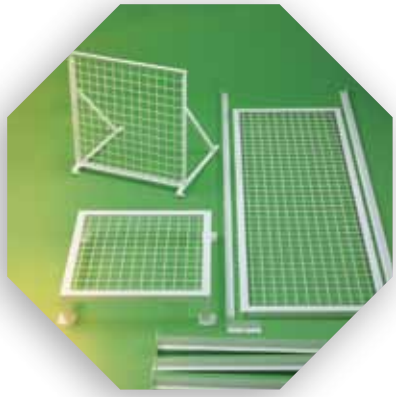
Parallel Bars and Posture Mirror

The parallel bars are easily and quickly assembled and dismantled and height adjustable. The posture mirror is fitted with safety glass and castors for mobility.

RH063, RH066

Suspension Frames

Three heavy duty suspension frames in standard white enamel finish. These are high quality and long-lasting. Other sizes can be made to order to fit particular requirements.



RH033, RH035, RH035W

Ordering Information

Wall bars - single section (2692 x 880mm)	**RH012**
Metal parallel bars - adjustable height, 2.3m long	**RH063**
Mobile posture mirror	**RH066**
Shoulder rotator	**RH516**
Conventional steps with adjustable handrails (not shown)	**RH018**
Corner steps with adjustable handrails	**RH020**
Suspension frames ceiling mounted (1980 x 690mm)	**RH033**
wall mounted (690 x 690mm)	**RH035**
wall bar mounted (690 x 690mm)	**RH035W**

Arm Table and Wooden Stools

A well-constructed arm table with a laminated top and polished wooden frame. There are three sizes of strong polished wooden stools.

RH071, RH070, RH069, RH068

Wooden treatment couch

A heavy duty couch which is ideal for use with shortwave treatment.

RH064

Wobble Boards and Rocker Boards

High quality, very strong and durable boards, supplied highly polished with a non-slip cork surface for safety.

RH031

RH030

Balance Benches

Made from pine for durability, two lengths, each fitted with hooks at one end for connection to other units.

RH016

RH015

Shortwave Chair

A specially shaped all-wooden chair with no metal parts, suitable for patients on shortwave treatment.

RH097

Technical Specification

WOODEN TREATMENT COUCH
Length: 183cms, **Width:** 61cms,
Height: 76cms,
Adjustable head frame, Weight: 42kgs,
Maximum user weight: 90kgs
ARM TABLE
Dimensions 300 X 600 X 710 mm

Ordering Information

Arm table	**RH071**
Wooden stool - 350 x 350mm	**RH068**
Wooden stool - 400 x 400mm	**RH069**
Wooden stool - 460 x 460mm	**RH070**
Balance bench - 11ft (3.4m)	**RH015**
Balance bench - 9ft (2.7m)	**RH016**
Wobble board (500mm)	**RH030**
Rocker board (500mm)	**RH031**
Wooden shortwave chair	**RH097**
Wooden treatment couch	**RH064**

Medex 3D Vibrator

A large surface massager for intensive and effective massage. The unit is supplied with two clip-on applicator heads and a carrying case.

M9

Trampoline

An ideal aid for rehabilitation, this trampoline is 102cm wide and can take loads of up to 100kg. It is fitted with a protective pad for safety.

RH216

Airex Exercise Mats

A variety of coloured exercise mats in different widths.

Body Balls

A wide range of body balls that are soft and warm to the touch. Available in a large number of sizes, they support weights up to 150kg and are ideal for pilates and therapeutic activities.

Technical Specification

MEDEX 3D VIBRATOR
Speeds 2
Capacity 115 / 130 Watt (speed 1 / speed 2)
Input Mains Power 230 Volt / 50 Hz
Weight 1,6 kg

Ordering Information

Medex 3D vibrator and accessories	**M9**
Natural bristle brush	**M9A**
Burled sponge rubber	**M9B**
Sponge rubber applicator	**M9C**
Nylon hyperaemisation brush	**M9D**
Trampoline	**RH216**
Airex mat - 1850 x 1000 x 15mm (red)	**RH302**
Airex mat - 1850 x 1000 x 15mm (blue)	**RH303**
Airex mat - 1850 x 600 x 15mm (red)	**RH304**
Airex mat - 1850 x 600 x 15mm (blue)	**RH305**
Body ball - 650mm diameter (blue)	**RH288**
Body ball - 750mm diameter (yellow)	**RH289**
Body ball - 850mm diameter (red)	**RH290**
Body ball pump (for above)	**RH291A**

Exercise Bands

These resistance bands are made from non-slip elastomer which gives a comfortable sure grip. Available in five resistance levels.

Therapeutic Putty

An anti-microbial, non-toxic, non-oily exercise putty in four progressive resistance levels.

Anatomical Charts

Full colour, highly detailed and laminated paper charts covering most physiological requirements. These are a useful reference tool and a source to increase therapy knowledge.

Percussors

Three top-quality percussors - Queens, Taylors and Bucks. EMS Physio can also provide goniometers.

Anatomical Models

A wide range of anatomical models - from skeletons to moving joints with ligaments. See below or contact EMS Pysio for more details.

Dumbbells

A set of dumbbells with plastic surrounds. These are supplied with a rack for storage.

Ordering Information

Exercise band - light - 550cm	**RH292**
Exercise band - medium - 550cm	**RH293**
Exercise band - heavy - 550cm	**RH294**
Exercise band - extra heavy - 550cm	**RH295**
Exercise band - special heavy - 550cm	**RH296**
Therapeutic putty - soft - 450g	**RH281**
Therapeutic putty - medium soft - 450g	**RH283**
Therapeutic putty - medium - 450g	**RH285**
Therapeutic putty - firm - 450g	**RH287**

ANATOMICAL CHARTS

shoulder and elbow	**EDC101**
hand and wrist	**EDC102**
foot and ankle	**EDC103**
hip and knee	**EDC104**
the skeletal system	**EDC105**
head and neck	**EDC106**
the human spine	**EDC107**
the muscular system	**EDC108**
Queens percussor	**RH310**
Taylors percussor	**RH311**
Bucks percussor	**RH312**

ANATOMICAL MODELS

lumbar spine	**EDC201**
synovial joint	**EDC202**
dissectable lumbar	**EDC203**
simple spine with stand	**EDC204**
lifting mannequin	**EDC205**
flexible shoulder joint	**EDC207**
flexible hip joint	**EDC208**
flexible knee joint	**EDC209**
flexible elbow joint	**EDC210**

Dumbbell set of weights (2 of each size) with rack	**RH515**

Prices
Prices are subject to alteration without notice and those charged will be prices ruling at the time of dispatch (unless by prior arrangement).

Value Added Tax
VAT will be levied on all items sold in The European Union at the Government set rate and will be shown separately when invoiced. When VAT Exemption is applicable, evidence or certificate should be supplied with each written order.

Minimum Order Value
Minimum order value is £25.00 excluding carriage or VAT.

Carriage, Packing and Handling Charge
A carriage and packing charge on all orders will be levied, unless subject to prior agreement. For return of goods, a handling charge of up to 15% of consignment value may be levied at the discretion of the Company.

Transfer of property
Title of the goods does not pass until full payment has been made.

Warranty
All new EMS Physio products are warranted against defects in materials and workmanship for a period of two years from the date of shipment. All ex-demo or second hand EMS Physio products sold are warranted against defects in materials and workmanship for a period of six months from the date of shipment. A copy of the full EMS warranty is available on request. The warranty on non-EMS Physio products is limited to one year.

Terms of Payment
Unless otherwise agreed by the Company in writing, the terms of payment for goods shall be 30 days from invoice date. All accounts are payable to the Company's registered office at Wantage, Oxfordshire. Commissioning Terms available upon application to our Service Department.

Claims of Missing or Damaged Goods
The customer shall have no right to claim for shortages or defects apparent on inspections, unless:

- The customer inspects the goods immediately on arrival at its premises.
- Written notification is made to the Company within five days of receipt of goods, specifying the shortage or defect.
- The Company is given an opportunity to inspect the goods and investigate the complaint before any use is made of the goods.
- Returns must only be made after prior agreement of the Company.

Product Specification
EMS policy is one of continuous product improvement. The Company therefore reserves the right to alter design and specifications at any time without prior notice. In some circumstances a change in product specification to that as listed in the current catalogue may be available at an extra charge. Further details are available on request.

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